(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 10 February 2005 (10.02.2005)

PCT

(10) International Publication Number WO 2005/012431 A1

(51) International Patent Classification7: C08K 5/549, 5/5419

C08L 83/00.

(21) International Application Number:

PCT/US2004/023397

(22) International Filing Date: 20 July 2004 (20.07.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/490,321

25 July 2003 (25.07.2003) US

- (71) Applicant (for all designated States except US): HENKEL CORPORATION [US/US]; 1001 Trout Brook Crossing, Rocky Hill, CT 06067 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LU, Zheng [US/US]; 6 Robinson Street, Brentwood, NH 03833 (US), SMITH, Randy, Lee [US/US]; 6 Hilton Avenue, Newfields, NH 03856 (US). HARMER, Tamara, L. [US/US]; 4 Depot Road, Kingston, NH 03848 (US). SHAW, Daniel, I. [US/US]; 126 Carriage Crossing Lane, Middletown, CT 06457 (US).
- (74) Agents: CUNNINGHAM, Marina, F. et al.; McCormick, Paulding & Huber LLP, 185 Asylum Street, CityPlace II, Hartford, CT 06103-3402 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE. KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

as to the identity of the inventor (Rule 4.17(i)) for all designations

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: LOW VOC-SOLVENT BASED MOLD RELEASE AGENT AND CURABLE MOLD RELEASE COMPOSITIONS **BASED THEREON**

(57) Abstract: The present invention relates to curable mold release compositions containing a non-volatile organic (non-VOC), or low-volatile organic (low-VOC), component employed as a carrier for a curable component. When applied as a coating the mold release compositions cure to a finish having a high durability that is sustained throughout multiple releases.

